Federal Communications Commission

Hearing Aid Compatibility Status Report (FCC Form 655)

Reporting Period: January 1, 2016 - December 31, 2016

Filing Deadline: March 23, 2017

Filing Date: 12/22/2016 04:02 PM

Filing Confirmation Number: 0007600819

FRN: 0010698868

General Report Information

Type of Company

Service Provider

De Minimis Exception

Did you offer any handsets to subscribers in the United States during the reporting period? Yes

Have you been offering handsets in the United States for at least three years prior to the end of the reporting period? Yes

Date that you began offering handsets in the United States

Are you a small entity? Yes

Were you a small entity at any time during the three years prior to the end of the reporting period?

Date that you ceased to be a small entity?

Company Information

Company Name:	Bluegrass Wireless LLC
Brand Names:	Bluegrass Cellular
PO Box:	5012
Street Address:	2902 Ring Road
City:	Elizabethtown
State:	KY
Zip Code:	42702-5012

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Filing Agent

Is this report being filed by an agent on behalf of a manufacturer or service provider? Yes

Agent Name:	Lukas, Nace, Gutierrez & Sachs, LLP
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December 2015

Zip Code:	22102

Contact Name:	Pamela L. Gist, Esq.
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Product Labeling

Do all hearing aid-compatible handsets include labeling? Yes

Explain:

Do all hearing aid-compatible handsets that were tested under ANSI C63.19-2007, and that are capable of voice communication over any air interface or frequency band that does not have hearing aid compatibility technical standards under ANSI C63.19-2007, include the required language disclosing that the handset has not been rated for hearing aid compatibility with respect to such operation?
 Yes

Explain:

Do all hearing aid-compatible handsets that were certified only under ANSI C63.19-2007, but that the manufacturer also tested and found not to meet hearing aid compatibility requirements under ANSI C63.19-2011 for one or more operations that are not covered under ANSI C63.19-2007, include language informing users by clear and effective means that the handset does not meet the relevant rating or ratings with respect to such operation(s)?
Yes

Explain:

Do all handsets that are capable of use for Voice over LTE, and that were certified for inductive coupling capability under ANSI C63.19-2011 without being tested for inductive coupling capability over VoLTE, include language disclosing that they were not tested with respect to this operation?
 Yes

Explain:

Do all handsets that meet the criteria for an M3 rating by allowing the user to reduce the maximum power for GSM operation in the 1900 MHz band include the required disclosure?

Explain:

Public Website

Does your company maintain a public website describing all hearing aid-compatible models, the ratings of those models, and an explanation of the rating system? Service provider websites must include the levels of functionality that the service provider has defined, the level that each hearing aid-compatible model falls under, and an explanation of how the functionality of the handsets varies at the different levels.
Yes

Website address: http://bluegrasscellular.com/support/HAC/

Explain:

Consumer Outreach

Describe consumer outreach efforts in the past 12 months: Compliant handset models are publicly identified for consumers and audiologists. Compliant models are listed on the company web site, and retail salespeople are trained to assist with compliant digital wireless phones. Compliant handsets are available for testing from live phone displays in retail locations. Written materials, pamphlets and other promotional literature are provided at the point of sale and on the website, addressing the needs of individuals with hearing disabilities. Consumers are given a 30-day trial period within which to try out digital wireless phones to determine whether they will work properly with their hearing aids.

Methodology for Functionality Levels

PDAs or smartphones generally have advanced features such as expandable memory, enhanced camera, Bluetooth, video, Internet access, touch screen UI, faster processing, email, full QWERTY keypads, and in many cases Windows Office Mobile, to meet the demands of mobile business professionals and consumers.

High-Tier Phones have features for demanding users, including Bluetooth, Internet access capability, increased RAM storage or expandable memory, high-resolution color display, enhanced camera and video capability, and music MP3 player functionality. They typically feature a modern, sleek design, often with slider construction.

Mid-Tier Phones may have a camera, Bluetooth, or Internet access capability, but are less likely to offer video/music/media player capability. Design is typically less stylish and tends to be clamshell or flip form factor.

Low-Tier Phones offer basic wireless telephone features. They may not have a camera, Bluetooth or Internet access capability, and generally lack such features MP3 players and expandable memory. They typically feature utilitarian designs suitable for customers using voice and text only, and they tend to be flip or bar form factor.

Report Remarks

Bluegrass Cellular does not operate network facilities utilizing GSM, WCDMA, WiMax or AWS air interfaces.

You have reported the following handset model summary information.
Total number of handsets offered: 30

Air Interface	Fully Hearing Aid Compatible		Acoustic Coupling Compatible Only		Non-Compliant Handsets		Total by Air Interface
	Number	Percent	Number	Percent	Number	Percent	
CDMA	29	97%	1	3%			30
LTE	23	100%					23
Wi-Fi	25	96%	1	4%			26

Handset 1: Apple iPhone 5s

Handset Maker

Apple

Handset Model Name   FCC ID

iPhone 5s   BCG-E2642A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 2: Apple iPhone 6

Handset Maker

Apple

Handset Model Name	**FCC ID**
iPhone 6	BCG-E2816A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 3: Apple iPhone 6+

Handset Maker

Apple

Handset Model Name   **FCC ID**

iPhone 6+   BCG-E2817A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 4: Apple IPHONE 6S

Handset Maker

Apple

Handset Model Name   **FCC ID**

IPHONE 6S   BCG-E2946A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 5: Apple IPHONE 6S PLUS

Handset Maker

Apple

Handset Model Name	**FCC ID**
IPHONE 6S PLUS	BCG-E2944A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 6: Apple iPhone 7

Handset Maker

Apple

Handset Model Name   **FCC ID**

iPhone 7   BCG-E3085A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 09/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 7: Apple iPhone 7 Plus

Handset Maker

Apple

Handset Model Name   **FCC ID**

iPhone 7 Plus   BCG-E3087A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 09/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 8: Apple iPhone SE (A1662)

Handset Maker

Apple

Handset Model Name	**FCC ID**
iPhone SE (A1662)	BCG-E2945A

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 04/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 9: Kyocera DuraScout

Handset Maker

Kyocera

Handset Model Name   **FCC ID**

DuraScout   V65E6782

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 10: Kyocera DuraXA

Handset Maker

Kyocera

Handset Model Name   **FCC ID**

DuraXA   V65E4520

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Mid

Remarks

Handset 11: LG 170 Fluid 2

Handset Maker

LG

Handset Model Name	**FCC ID**
170 Fluid 2	ZNFVN170

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Basic

Remarks

Handset 12: LG G4 AS986

Handset Maker

LG

Handset Model Name	**FCC ID**
G4 AS986	ZNFVS986

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 13: LG G5

Handset Maker

LG

Handset Model Name   **FCC ID**

G5   ZNFVS987

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 05/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 14: LG K8

Handset Maker

LG

Handset Model Name	**FCC ID**
K8	ZNFVS500

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 09/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 15: LG V10

Handset Maker

LG

Handset Model Name   **FCC ID**

V10   ZNFVS990

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 16: LG V20

Handset Maker

LG

Handset Model Name   **FCC ID**

V20   ZNFVS995

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 10/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 17: Motorola MOTO G XT1031

Handset Maker

Motorola

Handset Model Name	**FCC ID**
MOTO G XT1031	IHDT56PF3

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 18: Motorola Moto X (2nd Gen)

Handset Maker

Motorola

Handset Model Name	**FCC ID**
Moto X (2nd Gen)	IHDT56QA2

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 19: Motorola X Play XT1564

Handset Maker

Motorola

Handset Model Name   **FCC ID**

X Play XT1564   IHDT56UB1

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 20: Samsung Core Prime

Handset Maker

Samsung

Handset Model Name	**FCC ID**
Core Prime	A3LSMG360V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 21: Samsung Galaxy S 3

Handset Maker

Samsung

Handset Model Name   **FCC ID**

Galaxy S 3   A3LSCHi535

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating:

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Mid-Tier

Remarks

Handset 22: Samsung GALAXY S6

Handset Maker

Samsung

Handset Model Name   **FCC ID**

GALAXY S6   A3LSMG920V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 23: Samsung GALAXY S6 EDGE

Handset Maker

Samsung

Handset Model Name	**FCC ID**
GALAXY S6 EDGE	A3LSMG925V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 24: Samsung Galaxy S7

Handset Maker

Samsung

Handset Model Name   **FCC ID**

Galaxy S7   A3LSMG930US

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 04/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 25: Samsung Galaxy S7 Edge

Handset Maker

Samsung

Handset Model Name   **FCC ID**

Galaxy S7 Edge   A3LSMG935US

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 09/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 26: Samsung Note 5

Handset Maker

Samsung

Handset Model Name	**FCC ID**
Note 5	A3LSMN920V

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 27: Samsung R480

Handset Maker

Samsung

Handset Model Name   **FCC ID**

R480   A3LSCHR480C

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Basic

Remarks

Handset 28: SONIM XP3405 Shield

Handset Maker

SONIM

Handset Model Name   **FCC ID**

XP3405 Shield   WYPC21F007AA

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Mid-Tier

Remarks

Handset 29: SONIM XP7

Handset Maker

SONIM

Handset Model Name	**FCC ID**
XP7	WYPL22V012AA

Air Interfaces/Frequency Bands

700 MHz LTE
850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 11/16 to 12/16

Ratings

M-Rating: M4

T-Rating: T4

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

PDA

Remarks

Handset 30: Unimax 670 Bravo

Handset Maker

Unimax

Handset Model Name   **FCC ID**

670 Bravo   U46-001

Air Interfaces/Frequency Bands

850 MHz CDMA
1900 MHz CDMA
2.4 GHz Wi-Fi

Dates

This handset model was offered from: 01/16 to 12/16

Ratings

M-Rating: M3

T-Rating: T3

Did this handset meet the criteria for an M3 rating for operations over GSM at 1900 MHz by enabling the user optionally to reduce the maximum power at which the handset will operate by no more than 2.5 decibels, except for emergency calls to 911?

Functionality Level

Basic

Remarks

Certification

This Report has been certified by:

Jeff Blevins Director Product Development & Logistics
12/22/2016 04:02 PM